

AMENDMENTS TO THE CLAIMS

Please cancel Claims 15-20 without prejudice.

Please amend Claims 1-8 and 11-14 as follows:

- 1 1. (Currently Amended) A method ~~for operating a network of point of presence servers~~
2 ~~sharing a hostname, the method comprises~~ , comprising:
3 receiving a request from a user for a web page at a first web address, the first
4 web address including a ~~the~~ hostname;
5 determining traffic loads of a plurality of mirrored customer web servers, each
6 of the customer web servers storing the web page;
7 determining a customer web server from the plurality of mirrored customer
8 web servers that is appropriate for the request, the customer web server having a traffic load
9 lower than traffic loads of remaining customer web servers from the plurality of mirrored
10 customer web servers;
11 determining an IP address of the customer web server;
12 directing the request from the user to the customer web server; thereafter
13 receiving a request from the user for static content on the web page at a second
14 web address, the second web address including the ~~a~~-hostname;
15 determining service metrics of caching point of presence servers in a ~~the~~ network
16 of caching point of presence servers;
17 determining the caching point of presence server from the network of caching
18 ~~point of presence~~ servers that is appropriate for the request for static content, the caching point
19 ~~of presence~~ server having service metrics better than service metrics of remaining caching point
20 ~~of presence~~ servers from the network of caching point of presence servers;
21 retrieving the static content from the caching point of presence server; and
22 providing the static content to the user.

1 2. (Currently Amended) The method of claim 1 further comprising
2 determining load of ~~caching point of presence~~ servers in the network of ~~caching point of~~
3 ~~presence~~ servers;
4 wherein determining the ~~caching point of presence~~ server from the network of
5 ~~caching point of presence~~ servers that is appropriate for the request, the ~~caching point of presence~~
6 server having a latency and a load lower than latency or load of the remaining ~~caching point of~~
7 ~~presence~~ servers from the network of ~~caching point of presence~~ servers.

1 3. (Currently Amended) The method of claim 1 further comprising:
2 determining whether the ~~caching point of presence~~ server includes the static
3 content;
4 determining a web server that includes the static content when the ~~caching point~~
5 ~~of presence~~ server does not include the static content;
6 retrieving the static content from the web server that includes the static content;
7 and
8 storing the static content from the web server in the ~~caching point of presence~~
9 server.

1 4. (Currently Amended) The method of claim 3 wherein determining the
2 web server comprises:
3 determining traffic loads of the plurality of mirrored customer web servers, each
4 of the customer web servers storing the static content; and
5 determining another customer web server from the plurality of mirrored customer
6 web servers that is appropriate for the request, the another customer web server having a traffic
7 load lower than traffic loads of remaining customer web servers from the plurality of mirrored
8 customer web servers.

1 5. (Currently Amended) The method of claim 4 wherein retrieving the
2 static content from the web server comprises:
3 determining another IP address of the another customer web server; and
4 requesting the static content from the another customer web server at the another
5 IP address.

1 6. (Currently Amended) The method of claim 1 wherein the network of
2 ~~caching point-of-presence~~ servers comprises a domain name server.

1 7. (Currently Amended) The method of claim 1
2 wherein the request from the user for the web page is transferred from a first
3 domain name server;
4 wherein the network of ~~caching point-of-presence~~ servers comprises a second
5 domain name server; and
6 wherein the second domain name server determines the customer web server
7 from the plurality of mirrored customer web servers.

1 8. (Currently Amended) A method ~~for operating a network of point-of~~
2 ~~presence servers comprises , comprising:~~
3 receiving a first request from a client DNS server to resolve a first domain name,
4 the client DNS server receiving a request from a user of a web page address that includes the
5 first domain name;
6 determining load measurements of a plurality of mirrored customer web servers,
7 each of the customer web servers addressable by the first domain name, and each of the
8 customer web servers configured to service the request from the user;
9 determining a customer web server from the plurality of mirrored customer web
10 servers, the customer web server having a traffic load lower than traffic loads of other customer
11 web servers from the plurality of mirrored customer web servers;
12 determining an IP address of the customer web server;
13 providing the IP address of the customer web server to the client DNS server;
14 thereafter
15 receiving a second request from the client DNS server to resolve a second
16 domain name, the client DNS server receiving a request from the user of a uniform resource
17 locator that includes the second domain name;
18 determining performance metric measurement of ~~caching point-of-presence~~
19 servers in the network of ~~caching point-of-presence~~ servers, each of the ~~caching point-of~~
20 ~~presence~~ servers addressable by the second domain name;

21 determining a caching point-of-presence server from the network of caching
22 point-of-presence servers, the caching point-of-presence server having performance metrics
23 lower than performance metrics of other caching point-of-presence servers from the network of
24 caching point-of-presence servers;
25 providing the IP address of the caching point-of-presence server to the client
26 DNS server;
27 retrieving data from the caching point-of-presence server in response to the
28 uniform resource locator; and
29 providing the data to the user.

1 9. (Original) The method of claim 8 wherein the load measurements
2 comprise latency measurements.

1 10. (Previously Amended) The method of claim 8 wherein the
2 performance metric measurements comprise any of: load CPU and memory measurements,
3 HTTP response measurements, and FTP response measurements.

1 11. (Currently Amended) The method of claim 8 wherein retrieving data
2 from the caching point-of-presence server comprises:
3 determining whether the caching point-of-presence server includes the data;
4 retrieving data from another customer web server from the plurality of mirrored
5 customer web servers when the caching point-of-presence server does not include the data; and
6 storing the data within the caching point-of-presence server.

1 12. (Currently Amended) The method of claim 11 wherein retrieving
2 data from the other customer web server comprises:
3 determining the other customer web server from the plurality of mirrored
4 customer web servers, the other customer web server having a traffic load lower than traffic
5 loads of remaining customer web servers from the plurality of mirrored customer web servers;
6 and
7 retrieving the data from the other customer web server.

1 13. (Currently Amended) The method of claim 8 further comprising:

2 receiving a first request from a second client DNS server to resolve a third
3 domain name, the second client DNS server receiving a request from a second user of a second
4 web page address that includes the third domain name;

5 determining load measurements of a plurality of second mirrored customer web
6 servers, each of the second customer web servers addressable by the third domain name, and
7 each of the second customer web servers storing data configured to service the request from the
8 second user;

9 determining a second customer web server from the plurality of second mirrored
10 customer web servers, the second customer web server having a traffic load lower than traffic
11 loads of other second customer web servers from the plurality of second mirrored customer web
12 servers;

13 determining an IP address of the second customer web server; and
14 providing the IP address of the second customer web server to the second client
15 DNS server.

1 14. (Currently Amended) The method of claim 13 further comprising:
2 receiving a second request from the second client DNS server to resolve the
3 second domain name, the second client DNS server receiving a request from the second user of
4 a second uniform resource locator that includes the second domain name;
5 retrieving a second set of data from the caching point-of-presence server in
6 response to the second uniform resource locator; and
7 providing the second set of data to the user.

1 15. (Canceled)

1 16. (Canceled)

1 17. (Canceled)

1 18. (Canceled)

1 19. (Canceled)

1 20. (Canceled)